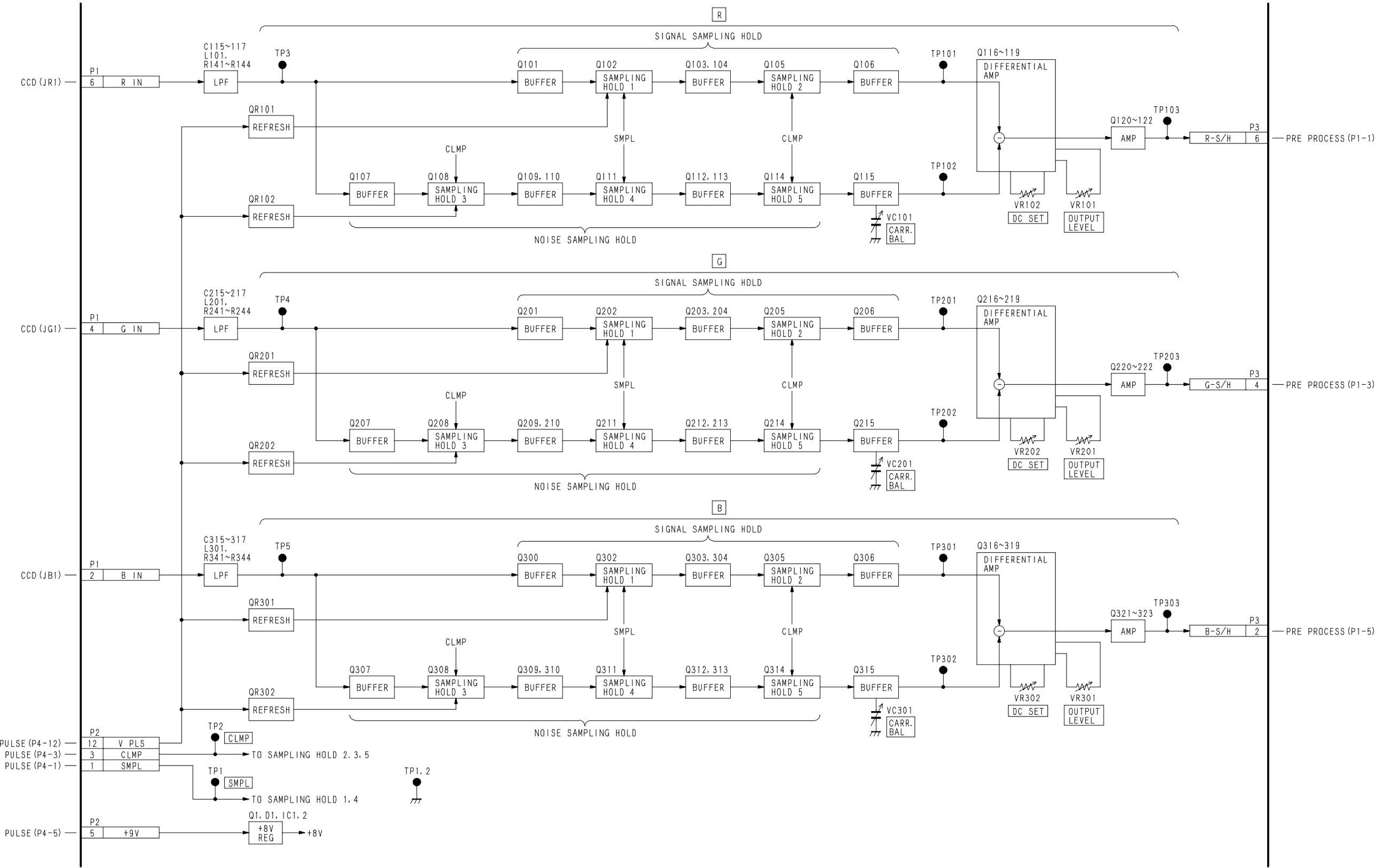CDS BLOCK DIAGRAM